	Application No.	Applicant(s)	Applicant(s)
	10/593,285	MORIMOTO ET AL.	MORIMOTO ET AL.
Notice of Allowability	Examiner	Art Unit	
	Rita Leykin	2837	2837
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet (OR REMAINS) CLOSED or other appropriate com	O in this application. If not included imunication will be mailed in due course. THIS	s application. If not include ation will be mailed in due o
1. This communication is responsive to			
2. The allowed claim(s) is/are <u>1-21</u> .			
3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	e been received. e been received in Application cuments have been received of this communication to MENT of this application.	ation No ved in this national stage application from the file a reply complying with the requirements	othis national stage application of the
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			
 CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1) 	son's Patent Drawing Rev s Amendment / Comment	or in the Office action of	ne Office action of
each sheet. Replacement sheet(s) should be labeled as such in t	he header according to 37	CFR 1.121(d).	121(d).
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MA FOR THE DEPOSIT OF	TERIAL must be submitted. Note the BIOLOGICAL MATERIAL.	\L must be submitted. N GICAL MATERIAL.
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 09/18/2006 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. ☐ Interview Paper N 7. ⊠ Examine	Informal Patent Application Summary (PTO-413), Io./Mail Date In statement of Reasons for Allowance RITA LEYKIN PRIMARY EXAMINER Rita Leykin Primary Examine Art Unit: 2837	nary (PTO-413), Date endment/Comment ement of Reasons for Allov RITA LEYK PRIMARY EXAL Rita Leykin Primary Examine

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance. The prior art made of record in the attached form PTO-892 considered to be pertinent to the submitted application.

Nagase et al. US# 4,611,158 disclose a control apparatus for controlling an inverter of induction motor or a synchronous motor that is driven by PWM inverter. Turnon of the inverter is controlled by PWM signals obtained as a result of comparison between voltage command signals (a modulation signal) and a carrier wave signal. The voltage command signals are obtained as a function of errors between current command signals and detected current signals. Nagase et al. suppresses ripples generated during motor operation in the voltage command signal.

However, none of the prior art teaches or suggests claimed limitations in combination with:

- Providing an upper limit value of modulation wave which is equal or smaller than the maximum value of the carrier wave and larger than the minimum value of the carrier wave;
- Correcting the modulation wave instructions of a plurality of phases so that
 the modulation wave instruction becomes between the minimum value of
 the carrier wave and the upper limit value of the modulation wave.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rita Leykin whose telephone number is (571)272-2066. The examiner can normally be reached on Monday-Friday 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula Bradley can be reached on (571)272-2800 ext. 33. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Rita Leykin Primary Examiner

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R.L.